

“SR-01”, a new generation of "J-deite RIDE"

~ Development of transforming humanoid-vehicle robot ride is completed ~

Sansei Technologies, Inc. (Head office: Yodogawa-ku, Osaka City, President & CEO: Noboru RACHI, hereafter referred to as “Sansei”) has completed the development of rideable transforming humanoid robot “SR-01” which can make a performance of transforming into humanoid form and vehicle mode.

SR-01 is a 4-meter-tall large robot that can transform and travel in a bipedal walking humanoid form (robot mode) and a wheel-driven car form (vehicle mode). It has two passenger seats in the cockpit where the riders can actually maneuver the ride. A remote-control operation of the ride is also possible via wireless network. The robot motions such as the transformation, bipedal walking, wheel driving and more are achieved by Asratec’s robot control system “V-Sido”.

SR-01 is an updated version of the prototype rideable humanoid "J-deite RIDE" (press released on April 26, 2018), and its transforming speed, safety, operability and visual design have been updated and improved to best meet the use in shows and events.

After demonstration at some trade shows, SR-01 will be available for machine rental and sales to be used in different shows, events and amusement facilities.

Currently, SR-01 is scheduled* to be on display at the coming shows "Osaka Comic Con 2022" for July 2022 in Intex Osaka and "Tokyo Comic Con 2022" for November 2022 in Makuhari Messe.

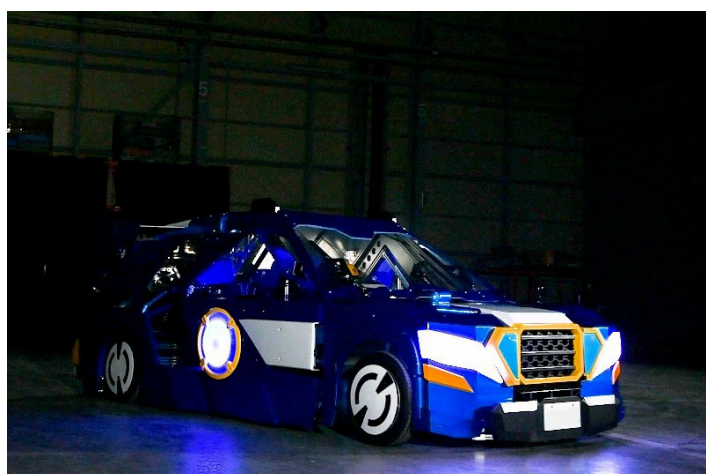
(*Please note the shows may be cancelled or postponed due to COVID-19 situation.)

Sansei will seek for further development and manufacturing of various amusement rides with use of robotics.

■SR-01 appearance



< Robot mode >



< Vehicle mode >

■SR-01 movie

<https://youtu.be/m88jybFSp7M>



■SR-01 Specifications (as of February, 2022)

	Robot mode	Vehicle mode
Size (WxDxH)	4.1 x 3.0 x 3.7 (m)	2.0 x 4.7 x 1.6 (m)
Max. speed (wheel)	30km/h (theoretical speed)	30km/h (theoretical speed)
Speed (walking)	100m/h (as of February, 2022)	—
Minimum turning radius	0m (pivot available)	5m
Driving wheel	2WD	2WD (RR)
Actuator (wheel)	electric motors + reducers	
Weight	2,300kg	
Tire size	165/60R15	
Seating capacity	2 persons	
Control software	V-Sido	
Operation	manned operation from cockpit or unmanned remote operation via wired/wirelessnetwork	
Frame materials	aluminum alloy, etc.	
Exterior materials	polypropylene (PP), etc.	
Power source	lithium battery	
Actuator (axis)	electric motors + reducers	
Axis	49 (waist:1, leg:4x2, arm:4x2, hand:8x2, head:3, others13)	

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* The information in this press release, price of service/product, specifications, contact and other information are true and accurate at the time of press release, and are subject to change without prior notice. Please note that the plans and goals presented in this press release may have results that are different from expectation due to various risks and uncertainties.

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